

## **CYBERSECURITY BOOTCAMP COURSE**

JUNE 9-12, 2026

**LECTURER-IN-CHARGE:** Mr. Michael Brown, Head, Security Management and Monitoring Branch, Cybersecurity Division, Naval Undersea Warfare Center (NUWC)

**TUITION: \$2425**

### **DAILY CLASS ROUTINE:**

Tuesday: Classroom facility opens at 0730 and will be secured at 1700.  
Class begins at 0800 and ends at 1600. Optional ice breaker after class –  
Sulmona, 608 Main Street, Cambridge – pizza, salad and cash bar.

Wednesday: Classroom facility opens at 0730 and will be secured at 1700.  
Class begins at 0800 and ends at 1600.

Thursday: Classroom facility opens at 0730 and will be secured at 1700.  
Class begins at 0800 and ends at 1600.

Friday: Classroom facility opens at 0730 and will be secured at 1300.  
Class begins at 0800 and ends at 1200.

### **COURSE DESCRIPTION AND OBJECTIVE:**

The objective of this course is to provide the student with a broad foundation in cybersecurity as applied to NAVY systems – from governance, protection, incident detection, incident response, to system recovery. Real world threats will be examined to provide a firm grounding of the importance of cyber to the warfighter. Threats, threat vectors, attack surfaces, cyber protection practices, and defense of infrastructure will be discussed. Security tools and techniques will be covered as they apply to Naval systems and infrastructure. Exposure to real world experimentation as well as Navy shipboard systems will be provided. Perspectives from senior NAVSEA and Warfare Center cybersecurity leaders will amplify the foundational topics to provide insight into cyber acquisition, development, and deployment priorities and constraints.

Upon completion of the course, the student will:

- Be equipped with foundational knowledge and practical skills to contribute to US NAVY cybersecurity efforts.
- Grasp fundamental cybersecurity principles and terminology.
- Gain familiarity with U.S. Navy-specific cybersecurity policies.
- Understand the complexities and security needs of the supply chain.
- Become familiar with the various types of cyber threats, recognizing system vulnerabilities, and implementing appropriate countermeasures to mitigate risks.
- Understand the importance of incorporating cybersecurity early and continuously throughout the acquisition life cycle.

- Understand the role cyber engineering plays in all phases of the acquisition process.
- Value the contributions of Cyber T&E and Penetration Testing activities.
- Understand the challenges in maintaining cyber resilient systems in today's cyber environment.
- Recognize the impact of key cyber programs on the fleet.
- Appreciate the importance of wartime readiness in cyber operations.
- Understand how adversaries operate, their exploitation tools, and how to defend against them.
- Explore common cyber attack methodologies and tools in a hands-on exercise.

The following topics will be covered:

- Cyber Fundamentals
- U.S. Navy Cybersecurity Policy
- The Risk Management Framework
- Research Topics in Cyber
- Supply Chain Security
- Cyber Risk, Threats, Vulnerabilities, and Countermeasures
- Cyber Engineering and Assessments
- Protection Methods, Security Architectures, and Defense-in-Depth
- Cyber Test & Evaluation
- Cyber Penetration Testing
- Cyber Incident Response and Wartime Readiness
- Cyber Forensics
- Fleet Impacting Cyber Programs
- NAVSEA Cyber Perspectives
- Cyber in Shipboard HM&E Systems
- Cyber in Surface and Undersea Shipboard Combat Systems
- Hands-on experiences
  - Cyber Table Top Exercise
  - Exploration of Attack Methodologies and Tools

**SPECIAL NOTE:** This course contains material governed by Distribution Statement D. Distribution authorized to the Department of Defense and U.S. DoD contractors only. Other requests shall be referred to Naval Undersea Warfare Center, 1176 Howell St., Newport, RI 02841-1708 via the Lecturer-in-Charge, Mr. Michael Brown.

**LOCATION:** Classes will be held in the Hill Building, Building NE-80, Room 1409 at 1 Hampshire Street, Cambridge, MA. The classroom is adjacent to MIT's main campus at The Charles Stark Draper Laboratory.

**COURSE ELIGIBILITY AND CLASSIFICATION:** Applicants are expected to have mature technical backgrounds which, either through experience or education, is at least equivalent to graduate education. This course is classified SECRET/NORFORN. It is open to active-duty U.S. military, U.S. government employees, and U.S. civilian contractor personnel with U.S. government sponsorship. It is NOT open to foreign nationals. A SECRET security clearance is required. A current U.S. Government ID or current Passport will be required each day to obtain a badge for classroom access. The course is limited to 40 students. Students with appropriate clearances that are outside of DoD must apply by 30 April 2026 to allow time for 'need to know' to be established and approval received through appropriate channels.

**APPLICATION AND TUITION PAYMENT:** Course enrollment is limited. Enrollment is confirmed once a complete application is received along with payment or an approved funding obligation through your training coordinator (SF-182).

Note: If course demand is high, we reserve the right to release any unconfirmed enrollments to provide a wait-listed student with an opportunity to attend. Nominally we will do so one month before course start date. However, we will make every effort to notify you beforehand and request your intentions.

Flexible payment options, including:

- 1) Credit card (VISA, MasterCard, Discover Card, American Express)
- 2) Check

Please see detailed directions on our website for application and payment. Link on left side of the 2N course webpage <http://2n.mit.edu/> or direct to link of <http://naval-pro-summer.mit.edu/>

It is **critical** that you provide the name of your training coordinator and/or the person who will be making the tuition payment on your application as we must receive payment in order to hold your place in the course – without payment (or obligated funds via approved SF-182) we may need to release your seat to someone else on the wait list.

In advance of payment, a training officer approval (block 3b of SF182) obligating funds is accepted to confirm enrollment. Full payment is due to MIT at least one week before course.

**CANCELLATION:** Cancellations within ONE (1) week of the first day of the course will be subject to a \$100.00 charge. Substitution by another applicant will be allowed provided an application is received and their security clearance is processed by Draper Laboratory.

**ACCOMMODATIONS:** Course tuition DOES NOT include accommodations. Each student must arrange his or her own transportation and hotel accommodations. Hotel space in Cambridge is very limited during the summer, so early reservations are strongly recommended. We have reserved a small block of rooms at the government rate at a local hotel which is located a short walking distance from the classroom and provides convenient access to the MBTA Red Line at the Kendall/MIT station. We will send you information about our hotel block when we confirm enrollment and payment (or obligated funds via approved SF-182) in the course. The hotel will release the hold on any unclaimed rooms FOUR (4) weeks prior to the first day of the course. Car rental is neither necessary nor recommended.

**STUDENT ATTIRE:** Business casual. Students are advised to bring a sweatshirt, sweater or jacket if the classroom is cold.

**REFRESHMENTS:** Continental breakfast will be provided in the morning, and a light snack will be given each afternoon. Lunch will be provided on those days when working lunches/guest speakers are scheduled.

**POINT OF CONTACT:** If you have any questions, please contact the Naval Professional Summer Coordinator at 617-324-2237 or by e-mail to [profsum@mit.edu](mailto:profsum@mit.edu).

**EMERGENCY CONTACT INFORMATION:** During class, students may be contacted by leaving a message at 617-258-2285 or by e-mail at [dsegall@draper.com](mailto:dsegall@draper.com).

**PORTABLE ELECTRONIC DEVICES:** This course is CLASSIFIED at the SECRET/NOFORN level. The classroom will be always managed as a CLOSED AREA during the period of instruction. Among other restrictions, this means that no recording devices or other electronic devices will be allowed into the room unless prior arrangements have been made. Such arrangements must be made at least three weeks prior to the first day of class. Personal electronic equipment must be left outside the classroom. The area will be guarded but will NOT be locked. Please keep this in mind when deciding what to bring with you and what to leave in your hotel room. Examples of personal electronic equipment that are NOT allowed in the classroom: laptops, PDAs, iPods, calculators, wireless fitness trackers (such as Fitbit, Basis Peak, or Jawbone Up), cell phones, Iwatches, cameras, and flash drive memory sticks). NOTE that this is not an all-inclusive list. If you have a Portable Electronic Device not listed here, do not hesitate to ask Draper Security prior to bringing the device inside the classroom.

If you require a medical assist electronic device, arrangements can be made to allow these in the classroom. Please contact Draper at (617) 258-2285 or [dsegall@draper.com](mailto:dsegall@draper.com) at least three weeks prior to the first day of class.

**VISIT REQUESTS:**

Visit requests can be sent via two methods and should be sent no later than three weeks prior to your class to ensure adequate processing time.

1. Preferred Method: Visit requests can be sent via DISS SMO Code 51993-4. Please ensure that the following are included in DISS visit requests:
  - a. Visit Name: 2026 MIT ProSummer
  - b. POC: Nate Candeias, [ncandeias@draper.com](mailto:ncandeias@draper.com)/MIT ProSummer
  - c. Valid dates (length of the course/visit only)
  - d. phone number: 617-258-1459
  - e. In the Visit Notes section, specify whether you are an instructor or student and enter name of the course you are teaching or attending
2. If you cannot use DISS, visit requests can be faxed to (617) 258-2826. Faxed visit requests must contain the following information.
  - a. Employer's Name
  - b. Employer's address, Phone Number and CAGE Code.
  - c. Visitor(s) Full Name
  - d. Social Security Number
  - e. Citizenship
  - f. Date and Place of Birth
  - g. POC: Nate Candeias/MIT ProSummer
  - h. Valid dates (length of the course/visit only)
  - i. Purpose: (Specify whether you are an instructor or student and enter the name of the course you are teaching or attending.)
  - j. Clearance Information

If you need to confirm that your visit request has been received and is in order, please contact Draper's Personal Security Office at [persec@draper.com](mailto:persec@draper.com) or (617)-258-3105.